

PROFORMA FOR BIO-DATA

1. Name and full correspondence address: Dr. Avatharam Ganivada, Asst. Professor, School of Computer and Information Sciences, University of Hyderabad, Gachibowli, Telengana, 500045.
2. **Email(s) and contact number(s):** avatharg@uohyd.ac.in; avatharg@yahoo.co.in
3. **Institution:** University of Hyderabad.
4. **Date of Birth:** 02-07-1983.
5. **Gender (M/F/T):** Male and BC-D category.
6. **Whether differently abled (Yes/No):** No
7. **Academic Qualification (Graduate Onwards) :**



S. No.	Degree	Year	Subject	University/Institution	% of marks
1.	Ph.D.	2016	Computer Science & Engi.	Indian Statistical Institute & University of Calcutta	Awarded
2.	M.Tech.	2008	Computer Science & Tech.	University of Mysore	85%

8. **Ph.D. thesis title:** “Fuzzy Rough Granular Neural Networks for Pattern Recognition and Mining”

Guide’s Name: Dr. Shubra Sankar Ray (Prof. S. K. Pal was one of the co authors for publications).

Institute/Organization/University: Indian Statistical Institute & University of Calcutta.

Year of Award: 2016

9. **Work experience (in chronological order):**

S. No.	Positions held	Name of the Institute	From	To	Pay Scale
1.	Asst. Professor	University of Hyderabad	2017	Present.	7 th pay
2.	Data Scientist	ProKarma Soft. Pvt. Ltd.	2015	2017	Equal to Asst. Professor scale in UGC

11. **Professional Recognition/ Award/ Prize/ Certificate/ Projects received by the applicant.**

S. No.	Title of Project	Funding Agency	Role
1.	Fuzzy rough set based multi-layer extreme learning machine for representation learning	Institution of Eminence, University of Hyderabad, Govt. of India.	Principle Investigator (Cast of the project: 15,00,000/-)

12. Publications (List of papers published in SCI Journals, in year wise descending order)

S. No.	Authors	Title	Name of the Journal	Vol.	Page	Year
1	A. Ganivada and S. Ramanna	Self-Organizing Map with Granular Competitive Learning: Application to Microarray Clustering	Intelligent Decision Technologies: An International Journal , IOS press ,		In press	2022
2	S. Ahmad, R. Pal, and A. Ganivada	Rank Level Fusion of Multimodal Biometrics Using Genetic Algorithm	Multimedia Tools and Applications, Springer ,		In press	2022
3.	S. S. Ray, A. Ganivada and S. K. Pal	A Granular Self-Organizing Map for Clustering and Gene Selection in Microarray data	IEEE Trans. Neural Networks and Learning Systems	27	1890-1906	2016
4.	A. Ganivada, S. S. Ray and S. K. Pal	Fuzzy Rough Sets, New Granular Neural Networks for Unsupervised Feature Selection	Neural Networks	48	91-108	2013
5	A. Ganivada, S. S. Ray and S. K. Pal	Fuzzy Rough Granular Self-Organizing Map and Fuzzy Rough Entropy	Theoretical Computer Science	466	37-63	2012
6	A. Ganivada, S. Dutta and S. K. Pal	Fuzzy Rough Granular Neural Networks, Fuzzy granules and Classification	Theoretical Computer Science	412	5834 - 5853	2011
7	A. Ganivada and S. K. Pal	A Novel Fuzzy Rough Granular Neural Network for Classification	International Journal in Computational Intelligence Systems	4	1042 - 1051	2011

13. Int'l Conferences

S. No.	Authors	Title	Name of the conference	Page	Year
1	A. Ganivada	"Fuzzy methodologies for forecasting usage and wet bulb data variables"	IEEE International Conference on Intelligent Systems, Smart and Green Technologies	pp. 6-10	2022
2	S. Yara and A.	Detection of Moving	In 9th International	pp. 665–674,	

	Ganivada	Objects and Enhancement using Motion Features in Various Video Sequences	Conference on Innovations in Computer Science and Engineering, ,	LNCS, Springer-Verlag	2022
3	S. Ahmad, R. Pal, and A. Ganivada	Rank Level Fusion of Multimodal Biometrics Using Particle Swarm Optimization	In 9th Int'l Conference on Pattern Recognition and Machine Intelligence	pp. LNCS, Springer-Verlag	2021
4	S. Ahmad, R. Pal, and A. Ganivada	Score Level Fusion of Multimodal Biometrics Using Genetic Algorithm	IEEE Congress on Evolutionary Computation,	pp. 2242-2250	2021
5	A. Ganivada	“Generalized Fuzzy Rough Sets Based on New Fuzzy Similarity Relation”, 11th int'l conf. Soft Computing & Pattern Recognition, pp. 1-9, LNCS, Springer-Verlag, 2019	in 11th Int'l conf. Soft Computing & Pattern Recognition,	pp. 1-9, LNCS, Springer-Verlag,	2019
6	S. Ahmad, R. Pal, and A. Ganivada	<u>Rank Level Fusion of Multimodal Biometrics Based on Cross-Entropy Monte Carlo Method</u>	In 5th int'l Symp. on Advances in Signal Processing and Intelligent Recognition Systems	pp.18–21, LNCS, Springer-Verlag,	2019
7	A. Ganivada, S. S. Ray, and S. K. Pal,	Fuzzy Rough Self Organizing Map	in 6th Int. Conf. Rough Sets and Knowledge Technology, Canada	pp. 659-668, Springer-Verlag,	2011
8	A. Ganivada and S. K. Pal	Robust granular neural networks, Fuzzy granules and Classification	In 5th Int. Conf. Rough Sets and Knowledge Technology, China	pp. 220-227, Springer-Verlag,	2010

14. Book

S. No.	Title	Authors Name	Publisher	Year of publication
1.	Granular Neural Networks, Pattern Recognition and Bioinformatics, Series: Studies in Computational Intelligence	S. K. Pal, S. S. Ray and A. Ganivada	Springer Verlag, Heidelberg, Germany	2017

15. Books Chapter

S. No.	Title	Authors Name	Publisher	Year of publication
1.	Fuzzy rough granular	A. Ganivada, S. S.	World Scientific,	2016

	neural networks for pattern analysis	Ray and S. K. Pal	Singapore	
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15. Any other Information (maximum 500 words)

- Delivered different invited talks at different organizations including the Department of CS & E, NIT Patna, 2016, CVR College of Engi., Hyderabad, 2018, Vignana Bharathi Institute of Technology, Hyderabad, 2019, Muffakham Jah College of Engg & Tech. Banjara Hills, 2020, Vardhaman College of Engineering, Hyderabad, 2020 and Sasi College of Engineering, 2021 & 2022.
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